



FORM PTO-1449A

SUPPLEMENTAL

INFORMATION DISCLOSURE CITATION

Attorney Docket:  
0769-4624US5Serial No.:  
10/657,096Applicant:  
BAHAR et al.Filing Date:  
September 9, 2003Group Art Unit:  
1745

## U.S. PATENT / PUBLICATION DOCUMENTS

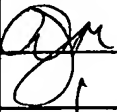

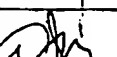
Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
<i>ajm</i>	1.	2,681,319	6/15/1954	Bodamer	
	2.	2,827,426	3/18/1958	Bodamer	
	3.	2,951,818	9/6/1960	Haagen	
	4.	2,965,697	12/20/1960	Duddy	
	5.	3,647,086	3/7/1972	Mizutani et al.	
	6.	3,692,569	9/19/1972	Grot	
	7.	4,012,303	3/15/1977	D'Agostino et al.	
	8.	4,065,534	12/27/1977	Rechlicz Et Al.	
	9.	4,107,005	8/15/1978	D'Agostino et al.	
	10.	4,186,076	1/29/1980	De Nora et al.	
	11.	4,207,163	6/10/1980	Kadija	
	12.	4,207,164	6/10/1980	Kadija	
	13.	4,210,510	7/1/1980	Grimes	
	14.	4,218,542	8/19/1980	Ukibashi et al.	
	15.	4,224,121	9/23/1980	Dempsey et al.	
	16.	4,262,041	4/14/1981	Eguchi et al.	
	17.	4,313,832	2/2/1982	Shimizu et al.	
	18.	4,341,615	7/27/1982	Bachot et al.	
	19.	4,453,991	6/12/1984	Grot	
	20.	4,469,744	9/4/1984	Lee	
	21.	4,515,906	5/7/1985	Friesen et al.	
	22.	4,518,650	5/21/1985	Grot et al.	
<i>ajm</i>	23.	4,604,170	8/5/1986	Miyaka et al.	

Examiner

Date Considered

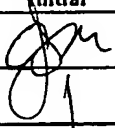
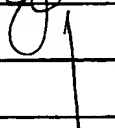
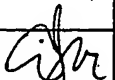
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609.  
 Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to Applicant.

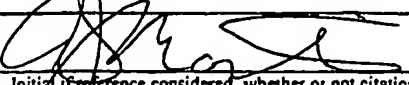
<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket: 0769-4624US5	Serial No.: 10/657,096
	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

U.S. PATENT / PUBLICATION DOCUMENTS					
Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	24.	4,629,563	12/16/1986	Wrasidla	
	25.	4,664,801	5/12/1987	Thomas	
	26.	4,698,243	10/6/1987	Carl et al.	
	27.	4,724,157	2/9/1988	Toda et al.	
	28.	4,731,263	3/15/1988	Martin et al.	
	29.	4,774,039	9/27/1988	Wrasidlo	
	30.	4,781,767	11/1/1988	Toda et al.	
	31.	4,804,592	2/14/1989	Vanderborgh et al.	
	32.	4,835,007	5/30/1989	Toda et al.	
	33.	4,862,730	9/5/1989	Crosby	
	34.	4,863,604	9/5/1989	Lo et al.	
	35.	4,865,925	9/12/1989	Ludwig et al.	
	36.	4,865,930	9/12/1989	Kindler et al.	
	37.	4,875,908	10/24/1989	Kikukawa et al.	
	38.	4,895,775	1/23/1990	Kato et al.	
	39.	4,902,308	2/20/1990	Mallouk et al.	
	40.	4,931,168	6/5/1990	Watanabe et al.	
	41.	4,954,388	9/4/1990	Mallouk et al.	
	42.	4,985,296	1/15/1991	Mortimer, Jr.	
	43.	4,990,228	2/5/1991	Perusich et al.	
	44.	4,997,567	3/5/1991	Messalem et al.	
	45.	5,066,403	11/19/1991	Dutta et al.	
	46.	5,075,006	12/24/1991	Schucker	

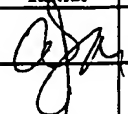
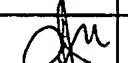
Examiner	Date Considered 10/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket: 0769-4624US5	Serial No.: 10/657,096
	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

U.S. PATENT / PUBLICATION DOCUMENTS					
Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	47.	5,082,475	1/21/1992	Bentz	
	48.	5,087,767	2/11/1992	Okamoto et al.	
	49.	5,094,895	3/10/1992	Branca et al.	
	50.	5,124,018	6/23/1992	Furuya et al.	
	51.	5,154,827	10/13/1992	Ashelin et al.	
	52.	5,183,545	2/2/1993	Branca et al.	
	53.	5,186,877	2/16/1993	Watanabe	
	54.	5,188,890	2/23/1993	Ohashi et al.	
	55.	5,190,813	3/2/1993	Oshahi et al.	
	56.	5,209,850	5/11/1993	Abayasekara et al.	
	57.	5,211,827	5/18/1993	Peck	
	58.	5,228,994	7/20/1993	Tkacik et al.	
	59.	5,234,777	8/10/1993	Wilson	
	60.	5,256,503	10/26/1993	Cook et al.	
	61.	5,266,421	11/30/1993	Townsend et al.	
	62.	5,275,725	1/4/1994	Ishii et al.	
	63.	5,288,384	2/22/1994	Banerjee	
	64.	5,336,384	8/9/1994	Tsou et al.	
	65.	5,338,412	8/16/1994	Burk et al.	
	66.	5,356,663	10/18/1994	Perusich et al.	
	67.	5,415,888	5/16/1995	Banerjee et al.	
	68.	5,425,865	6/20/1995	Singleton et al.	
	69.	5,438,082	8/1/1995	Helmer-Metzman et al.	

Examiner 	Date Considered <u>10/05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket: 0769-4624US5	Serial No.: 10/657,096
	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

U.S. PATENT / PUBLICATION DOCUMENTS					
Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	70.	5,447,636	9/5/1995	Banerjee	
	71.	5,453,333	9/26/1995	Takauchi	
	72.	5,468,574	11/21/1995	Ehrenberg et al.	
	73.	5,545,475	8/13/1996	Korleski	
	74.	5,597,659	1/28/1997	Morigaki	
	75.	5,599,638	2/4/1997	Surampudi et al.	
	76.	5,635,041	6/3/1997	Bahar et al.	
	77.	5,672,438	9/30/1997	Banerjee et al.	
	78.	5,766,787	6/16/1998	Watanabe et al.	
	79.	5,795,668	8/18/1998	Banerjee	
	80.	5,874,182	2/23/1999	Wilkinson et al.	
	81.	6,054,230	4/25/2000	Kato	
	82.	6,130,175	10/10/2000	Rusch et al.	
	83.	6,254,978	7/3/2001	Bahar et al.	
	84.	RE 37,307	8/7/2001	Bahar et al.	
	85.	RE 37,656	4/16/2002	Bahar et al.	
	86.	RE 37,701	5/14/2002	Bahar et al.	
	87.	2003/0113604 A1	6/19/2003	Baher et al.	

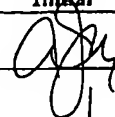

FOREIGN PATENT DOCUMENTS						
Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	88.	49-146570	12/18/1974	JAPAN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	89.	51-71888	6/22/1976	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	90.	2 295 982	7/23/1976	FRANCE (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
Examiner	Date Considered					
EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.						

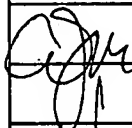
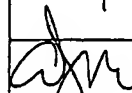
<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket: 0769-4624US5	Serial No.: 10/657,096
	Applicant: BAHAR et al.	
	Filing Date: September 9, 2003	Group Art Unit: 1745

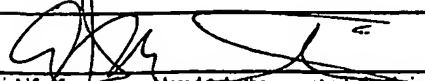
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	91.	2 009 788	6/20/1979	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	92.	2 052 382	1/28/1981	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	93.	2 091 166	7/28/1982	GREAT BRITAIN	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	94.	57-134586	8/19/1982	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	95.	61-246394	1/11/1986	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	96.	61-276987	12/6/1986	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	97.	62-131038	6/13/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	98.	62-179168	8/6/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	99.	62-280230	12/5/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	100.	62-280231	12/5/1987	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	101.	63-99246	4/30/1988	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	102.	64-22932	1/25/1989	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	103.	88-17506	4/6/1989	AUSTRALIA	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	104.	89/06055	6/29/1989	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	105.	01-186752	7/26/1989	JAPAN (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	106.	0 326 360 A2	8/2/1989	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	107.	0 326 632 A1	8/9/1989	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	108.	90/13593	11/15/1990	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	109.	91/14021	9/19/1991	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	110.	0 503 147 A1	9/16/1992	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	111.	0 550 262 A1	7/7/1993	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	112.	0 572 810 A1	12/8/1993	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	113.	0 574 791 A2	12/22/1993	EUROPE (w/ Abst.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

Examiner	Date Considered 10/05
EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

<b>FORM PTO-1449A</b>  <b>INFORMATION DISCLOSURE CITATION</b>	Attorney Docket:	Serial No.:
	0769-4624US5	10/657,096
	Applicant:	
	BAHAR et al.	
	Filing Date:	Group Art Unit:
	September 9, 2003	1745

FOREIGN PATENT DOCUMENTS						
Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	114.	0 594 007 A1	4/27/1994	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	115.	95/16730	6/22/1995	WO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	116.	0 661 336 A1	7/5/1995	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	117.	0 718 903 A1	6/26/1996	EUROPE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	118.	Penner et al., "Ion transporting Composite Membranes," JOURNAL OF THE ELECTROCHEMICAL SOCIETY, Vol. 132, No. 2, Feb. 1985, pp. 514-514.
	119.	Taylor et al., "The Effect of Support Morphology on Composite Membrane Performance," ELECTROCHEMICAL SOCIETY MEETING, San Diego, Oct. 19-24, 1986.
	120.	Asawa, "Material Properties of Cation Exchange Membranes for Chloralkali Electrolysis, Water Electrolysis and Fuel Cells," JOURNAL OF APPLIED ELECTROCHEMISTRY, Vol. 19, No. 4, 1989, pp. 566-570.
	121.	Liu et al., "Ion Transporting Composite Membranes," JOURNAL OF ELECTROCHEMICAL SOCIETY, Vol. 137, No. 2, Feb. 1990, pp. 510-515.
	122.	Verbrugge et al., "Composite Membranes for Fuel-Cell Applications," AIChE Journal, Vol. 38, No. 1, January 1992, pp. 92-100.
	123.	Glad et al., "Synthesis of Reactive Composite Membranes from Celgard 2400 and Methacrylate Monomers," JOURNAL OF MEMBRANE SCIENCE, Vol. 67, 1992, pp. 289-293.
	124.	Kolde et al., "Advanced Composite Polymer Electrolyte Fuel Cell Membranes," ELECTROCHEMICAL SOCIETY PROCEEDINGS, Vol. 95-23, 1995, pp. 193-201.

Examiner		Date Considered	10/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			